

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 12, 2003, 21:05:24 ; Search time 1445 Seconds

(without alignments)
1008.715 Million cell updates/sec

Title: US-09-910-757-1

Perfect score: 90

Sequence: 1 gggagagggcggtggtgcg.....cggtgccccgcgcagggtcg 90

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 32308132

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

1: em_estba:*

2: em_esthum:*

3: em_estin:*

4: em_estmu:*

5: em_estov:*

6: em_estpl:*

7: em_estro:*

8: em_htc:*

9: gb_estl:*

10: gb_est2:*

11: gb_htc:*

12: gb_est3:*

13: gb_est4:*

14: gb_est5:*

15: em_estfun:*

16: em_estom:*

17: gb_gss:*

18: em_gss_hum:*

19: em_gss_inv:*

20: em_gss_pln:*

21: em_gss_vrt:*

22: em_gss_fun:*

23: em_gss_mam:*

24: em_gss_mus:*

25: em_gss_other:*

26: em_gss_pro:*

27: em_gss_rod:*

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	90	100.0	300	9	AU098678
2	90	100.0	350	12	BE831859
3	90	100.0	447	14	BM694414
4	90	100.0	571	13	BI547746
5	90	100.0	635	13	BI547550
6	90	100.0	653	9	AL042549

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

7	90	100.0	657	12	BG722295
8	90	100.0	677	13	BI559391
9	90	100.0	679	13	BI597041
10	90	100.0	685	12	BG719125
11	90	100.0	701	13	BM172428
12	90	100.0	705	13	BI545908
13	90	100.0	715	12	BG709029
14	90	100.0	716	13	BI544366
15	90	100.0	734	12	BG704185
16	90	100.0	776	12	BG764788
17	90	100.0	785	13	BI761515
18	90	100.0	829	13	BI561536
19	90	100.0	867	12	BF315675
20	90	100.0	869	9	AL550975
21	90	100.0	891	14	BQ897731
22	90	100.0	895	12	BF204878
23	90	100.0	900	14	BQ440126
24	90	100.0	920	9	AL543516
25	90	100.0	929	12	BF979775
26	90	100.0	931	14	BQ688437
27	90	100.0	944	9	AL550425
28	90	100.0	969	14	BQ880712
29	90	100.0	1031	9	AL533088
30	90	100.0	1494	14	BQ706464
31	88.8	98.7	895	9	AL537562
32	88.8	98.7	897	9	AL518480
33	88.4	98.2	641	13	BI545987
34	88.4	98.2	699	9	AU137092
35	88.4	98.2	821	9	AL557346
36	88	97.8	612	9	AU128077
37	88	97.8	911	9	AL532648
38	87.4	97.1	639	14	BQ807996
39	86	95.6	862	12	BE735858
40	85.4	94.9	772	12	BG701016
41	85.2	94.7	1050	14	BQ882754
42	79	87.8	712	12	BG720447
43	79	87.8	728	13	BI601746
44	78	86.7	723	12	BE867517
45	77.4	86.0	154	9	AU077057

ALIGNMENTS

RESULT 1
AU098678
LOCUS
DEFINITION
AU098678 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
COL09158 similar to Human mRNA for amyloid A4 precursor of
Alzheimer's disease, mRNA sequence.
ACCESSION
AU098678
VERSION
AU098678.1 GI:13549807
KEYWORDS
EST.
SOURCE
human.
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 300)
AUTHORS
Suzuki,Y., Tsunoda,T., Taira,H., Mizushima-Sugano,J., Sese,J., Hata
H., Ota,T., Isogai,T., Tanaka,T., Nakamura,Y., Morishita,S., Okubo
K., Suyama,A. and Sugano,S.
TITLE
In silico mapping of the 5'-ends of human mRNAs using full-length
enriched and 5'-end enriched cDNA libraries constructed by
Oligo-capping method
JOURNAL
Unpublished (2001)
COMMENT
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

```

FEATURES
  source      Location/Qualifiers
  1. .300
    /organism="Homo sapiens"
    /db_xref="taxon:9606"
    /clone="COL09158"
    /clone_lib="Sugano Homo sapiens cDNA library"
    /note="Differential display comparison of untreated and
    dimethylfumarate treated U937 cells"
BASE COUNT      50 a      86 c      112 g      52 t
ORIGIN
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Best Local Similarity 100.0%; Pred. No. 6.2e-13;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGAGACGGCGGGTGGCGGCGGAGAGCAAGGCGGCGGATCCCACTCGCACA 60
    |||||||
Db 56 GGGAGACGGCGGGTGGCGGCGGAGAGCAAGGCGGCGGATCCCACTCGCACA 115
    |||||||
QY 61 GCAGGCGACTCGGTGCCCGCGCGCAGGGTGC 90
    |||||||
Db 116 GCAGGCGACTCGGTGCCCGCGCGCAGGGTGC 145

RESULT 2
BE831859/c
LOCUS      BE831859          350 bp      mRNA      linear      EST 22-SEP-2000
DEFINITION RC6-MT0061-310700-021-G04 MT0061 Homo sapiens cDNA, mRNA sequence.
ACCESSION  BE831859
VERSION     BE831859.1 GI:10264237
KEYWORDS    EST.
SOURCE      human.
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 350)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare
,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
20202663
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=st2-RC6-MT0061-310700-021-G04&t3=2000-07-31&t4=1)
Seq primer: puc 18 forward
High quality sequence stop: 345.
Location/Qualifiers
  1. .350
    /organism="Homo sapiens"
    /db_xref="taxon:9606"
    /clone_lib="MT0061"
    /dev_stage="Adult"
    /note="Organ: marrow; Vector: puc18; Site:1: SmaI; Site:2:
    SmaI; A mini-library was made by cloning products derived
    from ORESTES PCR (U.S. Letters Patent application No. 196
    716 - Ludwig Institute for Cancer Research) profiles
    into the puc 18 vector. Reverse transcription of tissue
    mRNA and cDNA amplification were performed under low
    stringency conditions."

BASE COUNT      60 a      114 c      104 g      71 t      1 others
ORIGIN
Query Match      100.0%; Score 90; DB 12; Length 350;
Best Local Similarity 100.0%; Pred. No. 6.4e-13;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGAGACGGCGGGTGGCGGCGGAGAGCAAGGCGGCGGATCCCACTCGCACA 60
    |||||||
Db 333 GGGAGACGGCGGGTGGCGGCGGAGAGCAAGGCGGCGGATCCCACTCGCACA 274
    |||||||
QY 61 GCAGGCGACTCGGTGCCCGCGCGCAGGGTGC 90
    |||||||
Db 273 GCAGGCGACTCGGTGCCCGCGCGCAGGGTGC 244

RESULT 3
BM694414
LOCUS      BM694414          447 bp      mRNA      linear      EST 28-FEB-2002
DEFINITION UI-E-C11-afq-d-05-0-UI.r1 UI-E-C11 Homo sapiens cDNA clone
ACCESSION  BM694414
VERSION     BM694414.1 GI:19007672
KEYWORDS    EST.
SOURCE      human.
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 447)
Bonaldi,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
Genome Res. 6 (9), 791-806 (1996)
97044477
Contact: Soares, MB
Program for Rat Gene Discovery and Mapping
University of Iowa
451 Eckstein Medical Research Building Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
Email: msoares@blue.weeg.uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
Seq primer: M13 Reverse
Location/Qualifiers
  1. .447
    /organism="Homo sapiens"
    /db_xref="taxon:9606"
    /clone="UI-E-C11-afq-d-05-0-UI"
    /clone_lib="UI-E-C11"
    /tissue_type="RPE and Choroid"
    /dev_stage="adult"
    /lab_host="DH10B (Life Technologies) (T1 phage resistant)"
    /note="Organ: eye; Vector: pT73-Pac (Pharmacia) with a
    modified polylinker; Site:1: EcoR I; Site:2: Not I;
    UI-E-C11 is a normalized cDNA library containing the
    following tissue(s): RPE and Choroid. The library was
    constructed according to Bonaldi, Lennon and Soares,
    Genome Research, 6:791-806, 1996. First strand cDNA
    synthesis was primed with an oligo-dT primer containing a
    Not I site. Double stranded cDNA was ligated to an EcoR I
    adaptor, digested with Not I, and cloned directionally
    into pT73-Pac vector. The oligonucleotide used to prime
    the synthesis of first-strand cDNA contains a library tag
    sequence that is located between the Not I site and the
    (dT)18 tail. The sequence tag for this library is ACCTA.
    This library was created for the program, Gene Discovery
    in the Visual System, supported by National Eye Institute
    (NEI)."

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Plate: LLAM10739	row: 0	column: 17
High quality sequence stop: 655.		
Location/Qualifiers		
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/organism="Homo sapiens"		
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/clone="IMAGE:4825960"		
/clone_lib="NIH_MGC_97"		
/lab_host="DH10B"		
/note="Organ: testis; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: SalI-xhoI (gtcgag); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTVN-3'; size-selected for average insert size 2.2 kb and normalized to 500. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."		
BASE COUNT	150 a	182 c 203 g 122 t
ORIGIN		
Query Match	100.0%;	Score 90; DB 12; Length 657;
Best Local Similarity	100.0%;	Pred. No. 7.1e-13;
Matches	90; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1	GGGAGACGGCGCGTGGCGCGGCGGAGAGCAAGGCGCGGATCCCACTCGCACA 60
Db	64	GGGAGACGGCGCGTGGCGCGGCGGAGAGCAAGGCGCGGATCCCACTCGCACA 123
QY	61	GCAGCGCACTCGGTGCGCGCGCGGCGGAGGTCG 90
Db	124	GCAGCGCACTCGGTGCGCGCGCGGCGGAGGTCG 153
RESULT 8		
BI559391		
LOCUS	603253071F1 NIH_MGC_97	677 bp mRNA linear EST 05-SEP-2001
DEFINITION		677 bp mRNA linear EST 05-SEP-2001
ACCESSION	BI559391	
VERSION	BI559391.1	GI:15446705
KEYWORDS	EST.	
SOURCE	human.	
ORGANISM	Homo sapiens	
REFERENCE		
AUTHORS		
TITLE		
JOURNAL		
COMMENT		
FEATURES		
source		
1. 677		
/organism="Homo sapiens"		
/db_xref="taxon:9606"		
/clone="IMAGE:5295569"		
/clone_lib="NIH_MGC_97"		
/lab_host="DH10B"		
/note="Organ: testis; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: SalI-xhoI (gtcgag); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTVN-3'; size-selected for average insert size 2.2 kb and		

normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."

BASE COUNT 143 a 199 c 212 g 123 t
ORIGIN

Query Match 100.0%; Score 90; DB 13; Length 677;
Best Local Similarity 100.0%; Pred. No. 7.2e-13;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGAGACGGCGCGTGGCGCGGCGAGACGAGGACGGCGGATCCCACTCGCAC 60
DB 114 GGGAGACGGCGCGTGGCGCGGCGAGACGAGGACGGCGGATCCCACTCGCAC 173
QY 61 GCAGGCACTCGGTGCCCGCGCGAGGGTCG 90
DB 174 GCAGGCACTCGGTGCCCGCGCGAGGGTCG 203

RESULT 9

BI597041

LOCUS

DEFINITION 603248271fl NIH_MGC_96 Homo sapiens cDNA clone IMAGE:5300177 5',
mRNA sequence.

ACCESSION BI597041

VERSION BI597041.1

KEYWORDS GI:15489980

SOURCE EST.

ORGANISM human.

REFERENCE Homo sapiens

AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

TITLE Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.

JOURNAL NIH-MGC http://mgc.nci.nih.gov/

COMMENT National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-remail.nih.gov

Tissue Procurement: Miklos Palkovits, M.D., Ph.D.

CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki

Toshiyuki and Piero Carninci (RIKEN)

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone Distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLAM11759 row: n column: 18

High quality sequence stop: 675.

Location/Qualifiers

1. .679

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="IMAGE:5300177"

/clone_lib="NIH_MGC_96"

/tissue_type="hypothalamus"

/lab_host="DH10B"

/note="Organ: brain; Vector: pBluescriptR (modified

pBluescript KS+); Site.1: BamHI; Site.2: SalI-XhoI (gtcgag

); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTVN-3',

size-selected for average insert size 2.3 kb and

normalized to ROT 5. This is a primary library enriched

for full-length clones and constructed using the

Cap-trapper method (Carninci, in preparation). Library

constructed by M. Brownstein (NIMH/NHGRI, National

Institutes of Health). Note: this is a NIH_MGC Library."

BASE COUNT 155 a 186 c 210 g 128 t

ORIGIN

Query Match

Best Local Similarity 100.0%; Score 90; DB 13; Length 679;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1

DB 39

QY 61

DB 99

RESULT 10

BI719125

LOCUS

DEFINITION 603699058Fl NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4831046 5',
mRNA sequence.

ACCESSION BI719125

VERSION BI719125

KEYWORDS GI:13998312

SOURCE EST.

ORGANISM human.

REFERENCE Homo sapiens

AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

TITLE Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.

JOURNAL NIH-MGC http://mgc.nci.nih.gov/

COMMENT National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-remail.nih.gov

Tissue Procurement: Miklos Palkovits, M.D., Ph.D.

CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki

Toshiyuki and Piero Carninci (RIKEN)

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone Distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLAM10753 row: c column: 15

High quality sequence stop: 684.

Location/Qualifiers

1. .685

/organism="Homo sapiens"

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/clone_lib="NIH_MGC_97"

/lab_host="DH10B"

/note="Organ: testis; Vector: pBluescriptR (modified

pBluescript KS+); Site.1: BamHI; Site.2: SalI-XhoI (gtcgag

); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTVN-3',

size-selected for average insert size 2.2 kb and

normalized to ROT 5. This is a primary library enriched

for full-length clones and constructed using the

Cap-trapper method (Carninci, in preparation). Library

constructed by M. Brownstein (NIMH/NHGRI, National

Institutes of Health). Note: this is a NIH_MGC Library."

BASE COUNT 160 a 184 c 204 g 137 t

ORIGIN

Query Match

Best Local Similarity 100.0%; Score 90; DB 12; Length 685;

Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1

DB 6

QY 61

DB 66

RESULT 11

BM172428

LOCUS

DEFINITION imagec_4_2001/smv76bdf41.x1 NIH_MGC_97 Homo sapiens cDNA clone

Search completed: July 12, 2003, 21:58:09
Job time : 1450 secs